

POINT RUSTON

5219 N. SHIRLEY ST. SUITE 100 RUSTON, WA 98407

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OFFICE OF
ENVIRONMENTAL CLEANUP

April 15, 2013

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 202, March 2013
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,



Loren Cohen
Manager of Legal Affairs

Attachment (2 copies)

cc: Peter Striplin - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay
Mike Oelrich - Hydrometrics, Inc.

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Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

A. *Actions taken to achieve compliance with the Consent Decree during the previous month.*

1. Point Ruston personnel and its contractors hosted numerous meetings and conversations with EPA over the month of March, along with many electronic communications related to varying aspects of the project. Work continued on many various RA tasks, including work associated with the following projects:

- Phase 1 CMP
- Waterwalk CMP
- Temporary Cap & Storm Water Management Plan
- Sequence of Development Plan & Occupancy Plan
- Occupancy Air Monitoring Plan
- Long Term OMMP
- CC&Rs
- Metro Parks Peninsula Park CMP
- DNR Sediment Cap RA

Point Ruston conducted several EPA Coordination Meetings, specifically on 3/01/13, 3/08/13 and 3/15/13.

2. Point Ruston continues to conduct Air Monitoring per the approved plan under the CH&SP. A new air monitoring plan related to occupancy of the site will be implemented under the SDOP as part of Phase 1 occupancy. Point Ruston is in the process of installing the additional hi-vols and has purchased additional real-time monitors. A real time "E-Sampler" monitor was co-located with the hi-volume located at the south gate/nursery location in advance of the opening of Stage 1 of the Waterwalk.
3. Point Ruston and its contractors continued construction of the improvements associated with Phase 1 CMP. Point Ruston has completed and submitted the final Phase 1 RA Construction Report and has submitted a Phase 1 Occupancy plan, which includes a specific Contingency Plan for residential occupants.
4. Point Ruston submitted a plan for opening the Waterwalk to public access and use, which includes a Contingency Plan for such public access and use. The Waterwalk RA Construction Report was submitted in January. Point Ruston opened the Stage 1 area of the Waterwalk on 3/01/13, and extended the opening on 3/22/13 to Lot #3B, with the remainder of the Waterwalk to open in coordination with occupancy of the Phase 1 CMP area (Copperline Apartments).

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

5. Point Ruston continued to perform all site maintenance and monitoring, including all requirements under the Site Wide Construction Health and Safety Plan.
6. Point Ruston continued weekly site-inspection reports (see attached).
7. Point Ruston maintained clean work areas and roads, including fencing and CRZ connections between site units.
8. Point Ruston conducted training activities for site visitors and workers, including the following:
 - Site Safety Orientations (Clean Zone) were held for:
 - i. One Hundred Nineteen (119) site visitors and personnel of various companies
 - HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - i. One (1) All-Around Fence employee
 - HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. One (1) Hydrometrics employee
 - Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
 - i. One (1) All-Around Fence employee

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Storm water Outfall sampling, data and related activities include the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned. The South outfall was abandoned on February 15th, 2013.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

In addition to the North Outfall, Point Ruston monitors an existing upland station southwest of the Grand Avenue & Ruston Way roundabout. This monitoring station is designated OSW2. Outfall samples were not collected in March per the SOW schedule.

2. OCF leachate sampling, data, disposal and related activities include the following:

Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. The OCF OMMP requires inspections to correspond with monthly, quarterly, or semi-annual reporting intervals as specified by the Response Action Plan. However, Point Ruston inspects LCRS and LDCRS volumes daily. LCRS volumes currently average approximately 95 gallons per day. Point Ruston currently ships 4,700-5,000 gallons approximately every 50 days. Point Ruston shipped 4,716 gallons of leachate (4.34 mg/L arsenic) on March 15th. Sample results are attached.

3. Air Monitoring, sampling, data and related activities include the following:

Point Ruston performs perimeter air monitoring for arsenic and lead analysis at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston does not conduct perimeter air monitoring during wet weather events that cause wet site conditions when there are no soil disturbing activities. Additional gravimetric analysis for Total Suspended Particulates (TSP) is being conducted at the South Gate location on a temporary basis. Results for samples collected March 4th through March 30th are attached. There were no exceedances.

Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1) (a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring was performed on March 22nd during excavation of the TIC Storm water pond. Activities included: digging and loading with an excavator, hauling and dumping with a haul truck, grading with a bulldozer, and staking and grade checking excavation area. Results for samples collected are attached. There were no exceedances.

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Point Ruston is temporarily performing monitoring for total suspended particulates (TSP) with a trigger level of $81 \mu\text{g}/\text{m}^3$. A single real-time dust monitor has been paired with the South Gate perimeter air monitor. On March 9th this real-time monitor was moved to the NW end of Lot 3B near the Waterwalk in preparation for opening the Waterwalk to that location. TSP data is evaluated and recorded daily. A long-term dust monitoring network was installed on March 15th. There were no TSP exceedances in March.

4. Methane gas monitoring sampling, data and related activities include the following:

Point Ruston performs subsurface methane gas monitoring pursuant to the EPA approved "Building 2B Sampling & Analysis Plan – Subsurface Gas Monitoring Activities" plan. In 2009 a passive gas extraction system was installed in conjunction with the 2B-West building foundation. Four (4) vent pipes were roughed-in through the floor slab. In 2011 Point Ruston installed four (4) gas monitoring wells within the future boundaries of the 2B-East foundation and began monitoring for methane at all eight (8) locations (4 passive vent pipes; 4 wells). Sampling at these locations has been ongoing, pursuant to ASTM E2600. On October 9, 2012 the four (4) gas monitoring wells within the boundaries of the 2B-East building foundation were plugged and abandoned. Methane monitoring for the month of March was conducted at the remaining four (4) locations of the passive gas extraction system under the 2B-West building foundation. The Gas Monitoring Data Log and field worksheet for the month of February are attached. No methane has been detected to date. Methane monitoring of the passive extraction system will continue.

On February 27, 2013 Point Ruston installed four (4) gas monitoring wells within the future boundaries of the 1B foundation and will commence monitoring activities in April.

5. Miscellaneous soil sampling, data and related activities include the following:

Point Ruston performs miscellaneous on-site soil sampling related to its various ongoing RA work and development. Analysis results are attached.

- Soil sampling was conducted on March 1st from the foundation excavation on Stack Hill Lot 15.
- Soil sampling was conducted on March 20th from leftover sand used to make gypcrete topping slabs in Building 2A.
- Soil sampling was conducted on March 21st from the Main Street haul road in response to RFI-22 from CH2MHILL.

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

C. Work Plans and other deliverables completed and submitted during the previous month.

1. Plans and Documents included the following:

Temporary Cap Plan & Site-Wide Storm Water Plan

EPA approved the conceptual temporary cap plan and storm water plan, including plans and specifications, and approved the installation of the system on the south end of the site. A formal Temporary Cap and Site-Wide Storm Water Plan has been updated and has been resubmitted in January, construction continues on the areas previously approved by EPA. An updated Temporary Cap Plan & Site-Wide Storm Water Plan was submitted on February 8, 2013 during EPA Coordination Meeting. The final Temporary Cap Plan & Site-Wide Construction Management Plan was submitted during the 3/01/13 EPA Coordination Meeting, along with the Stack Hill RA Summary Report.

Construction Health & Safety Plan v.6 (CH&SP)

Point Ruston submitted an updated version 6 of the CH&SP and is awaiting EPA comments.

Waterwalk CMP

This plan was approved by EPA. Point Ruston has responded to final comments from the City of Tacoma. A plan for opening the Waterwalk to public access and use has been submitted in January, which includes a Contingency Plan for such public access and use. The Waterwalk Access and Use Plan was submitted on 12/06/12. The RA work along the Waterwalk is complete and Point Ruston is finalizing some of the last aspects of the public amenities. The Waterwalk Stage 1 Area was opened on 3/01/13. Point Ruston submitted the Waterwalk CMP Draft Construction Report during the 3/08/13 Coordination Meeting. Stage 2 access and use is tentatively scheduled to coordinate with the opening of the Copperline project being built under the Phase 1 CMP.

Phase 1 Construction Management Plan (CMP)

Point Ruston submitted minor updates to the Phase 1 CMP to EPA on 12/19/2012, for which we received EPA approval on 2/11/13. Point Ruston has submitted a Final Phase I RA Construction Report in January, which has been approved by EPA. The Phase I Occupancy Plan has also been submitted, which includes a specific Contingency Plan for residential occupants. Point Ruston submitted the Draft Construction Report for the

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Phase 1 CMP and resubmitted the FEMA Evacuation Plan during the 3/15/13 EPA Coordination meeting.

Master Infrastructure CMP (MICMP)

Construction of the MICMP is substantially complete, with minor punch list items being completed. Point Ruston submitted a design addendum related to the abandonment of the tunnel. Point Ruston will submit a draft construction report to EPA for its review and final inspection related to Certification of Completion for this phase of work, which include a final opportunity to review final as-builts. This Draft Construction Report will seek Certification of Approval for the RA completed on this Phase of the Site.

Ruston Way CH&SP Plan

Completed and submitted to EPA for Ruston Way opening. Approved, and roadway opened on 6/29/12. EPA granted formal, written approval of the plan on 12/18/2012.

Sequence of Development and Occupancy Plan (SDOP)

The SDOP submitted to EPA, to include a new Contingency Actions section, per EPA request. EPA has responded with comments and an updated plan has been submitted to EPA on February 8th. The plan includes an updated occupancy air monitoring plan, as well as all other health and safety measures that are to be incorporated in all future CMPs for future occupancy procedures. A revised Development & Occupancy Plan was submitted at the 3/01/13 EPA Coordination Meeting.

Operations Maintenance and Monitoring Plan (OMMP)

The OMMP was submitted to EPA on 09/04/2012. Point Ruston has received EPA comments on 02/27/13 and is working on a response at this time. Point Ruston did enter into a final cost sharing agreement with the City of Tacoma regarding the extra-ordinary costs associated with O&M of the public components associated with the MICMP.

CC&Rs

The environmental CC&Rs were submitted to EPA on 09/04/2012. Point Ruston is awaiting final approval.

Biological Assessment South Outfall Construction (Edwards Street)/ BA South Outfall Flow (Edwards Street)

This work was completed and the construction report will be included as part of the Final Construction Report for the MICMP.

BA Shoreline Stabilization RA

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Post-inspection completion report has been drafted and will be submitted to EPA following final armoring conducted as part of the MICMP.

Sediment Capping RA

RA work associated with the Sediment Cap was successfully completed and Point Ruston submitted a draft Construction Report, Sediment Phase at the 3/15/13 meeting, as required to receive a Certification of Completion for this work.

Peninsula Park CMP

Peninsula Park CMP was submitted to EPA on 09/04/2012. Pre-construction work will begin in anticipation of final Peninsula Park CMP approval, with preliminary grading and SAP of import materials being conducted first. EPA submitted comments to Point Ruston on 10/9/2012, and Point Ruston responded to EPA on 10/10/2012. Point Ruston held a preconstruction meeting on 10/11/2012. EPA submitted additional comments to Point Ruston on 12/04/2012. Point Ruston will resubmit revised CMP addressing EPA comments. Point Ruston began construction of the subgrade for Yacht Club Road, as well as completed the final digging and hauling of sub grade materials for the Peninsula. Work has been delayed due to wet weather, but it is anticipated that it should be complete in the spring.

2. Remedial Action included the following tasks:

OCF construction activities:

Maintained leachate collection system; Inspected storm drain system, vaults and cover; Maintained the temporary storage area, related to site-wide grading and Temporary Cap construction. Point Ruston agreed with the Town of Ruston to move the materials and equipment away from the frontage of The Commencement apartment building. Material and equipment relocating has begun and will continue as weather and resources allow.

Stack Hill construction activities:

Maintain lot grading and final cover in clean, final RA form.

Phase 1 CMP

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Point Ruston continued RA construction of utility connections and final roadway subgrade for permanent cap subgrade, including along view corridors and Main Street. Completed footing construction of 2B-East foundation and commenced plumbing groundwork. Point Ruston received EPA approval on 2/11/13. Point Ruston submitted the Phase I CMP Occupancy Plan at the 3/08/13 EPA Coordination Meeting and is currently working to complete a Phase 1 CMP Final Construction report.

Waterwalk CMP

Completed work and opened Stage 1 for public access and use on 3/01/13. Final public amenities is complete and the buffer and perimeter fencing is complete. Final RA is done. A pre-certification inspection was conducted and Point Ruston submitted its response.

Temporary Impervious Cap and Construction Storm Water Management Plan

Implement the cap in conjunction with the opening and use plan for the Waterwalk, and work westward across the site to implement the temporary cap. Approximately 70% of the TIC has been completed, and the remainder of the HDPE materials have been ordered for final install of the entire Temporary Impervious Cap (TIC). The final TIC Plan has been updated and has been re-submitted to EPA for its final approval on 3/01/13; however, work has continued in those areas of the Site approved by EPA for TIC installation.

Site-wide remediation/redevelopment activities:

- Continued surface water controls
- Maintained onsite haul roads and stockpiles
- Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing.
- Continued site-wide dust monitoring and control through site and access road watering, as needed.
- Maintained air-monitoring program per CH&SP requirements
- Continued to maintain Ruston Way Construction Health and Safety protocols, including air monitoring, dust suppression, buffer zone maintenance, fencing and signage.

D. Actions scheduled for the next six weeks.

1. Point Ruston to maintain the Ruston Way Health and Safety protocols, including applying tacifier to all buffer areas with exposed soils, and continuing to monitor for dust.

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

2. Point Ruston to continue construction of Waterwalk CMP improvements and work to open the First Stage to public occupancy as a test of the site wide SDOP and Institutional Controls.
3. Point Ruston and EPA finalizing RD approvals for the following plans and documents:
 - Sediment Cap Draft Construction Report
 - Phase 1 Draft Construction Report
 - Phase 1 Occupancy Plan
 - Waterwalk CMP Access and Use Plan
 - Peninsula Park CMP
 - OMMP
 - SDOP
 - Temporary Cap Plan and SWP
 - CH&SP v.6
4. Continue construction of Temporary Cap and Site Wide Storm System, including construction of swales and anchor trenches, as well as layout of interim storm water system, temporary liner(s) and cover system. Ordering of all materials will be finalized and with cooperating weather the TIC will be installed
5. Continue CH&SP air monitoring during RA activities also TSP sampling and analysis and correlating the data for eventual data-ram analysis during occupancy.
6. Continue to implement terms of the settlement with Metro Parks Tacoma and the State of Washington regarding the off-site remedial action required under the Consent Decree.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance, and maintain roads and landscaping, including mowing, and keep and maintain the landscaping.

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

- b. Continue sales & marketing efforts for custom home construction

Site-wide construction activities:

- a. Maintain roads and stockpiles onsite
- b. Maintain erosion controls
- c. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.
- d. Maintain erosion control BMPs and CH&SP standards

Phase 1 CMP

- a. Continue vertical construction
- b. Continue utility construction
- c. Continue roadway construction
- d. Continue final cap RA construction to final completion.
- e. Maintain erosion control BMPs and CH&SP standards
- f. Prep for first residential occupancy
- g. Begin occupancy

Waterwalk CMP

- a. Continue construction of Waterwalk improvements and prepping for next stage to open for public access and use.
- b. Finalize all construction and open for occupancy.
- c. Maintain erosion control BMPs and CH&SP standards

Temporary Impervious Cap and Construction Storm Water Management Plan

- a. Continue final mass grading
- b. Storm water construction
- c. Installation of temporary cap materials, including liner(s) and gravel or sandbag cover system

Sediment Cap RA Construction

- a. Complete all required documentation of this completed work, including paperwork required for EPA issuance of Certification of Completion and a Consent Decree amend in favor of DNR/State of Washington.

- E. *Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.***

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

Completion of EPA negotiations on RA schedule modifications and associated matters. Weather continues to hamper full installation of the TIC and the Phase 1 and Peninsula Park CMP construction activities. Town of Ruston interference with on-site remedial action continues to delay review and implementation of certain aspects of this project.

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston and EPA agreed to begin final negotiations of a Consent Decree amendment to include updates to the SOW Schedule, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site. Discussions are on-going.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
2. Point Ruston continues negotiations, design and conclusion of the sale of Waterwalk property and finalizing of the LID assessment roles with the City of Tacoma.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and Metro Parks to address operation, maintenance, and monitoring issues at the site, including the Waterwalk area which ultimately will be sold to the City of Tacoma and maintained under contact by Metro Parks Tacoma.

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

WEEKLY
SITE
INSPECTION
REPORTS

Reference	Date	Description
GEN2013-0303	03/03 – 03/09	General Site Weekly Inspection Report
SH2013-0303	03/03 – 03/09	Stack Hill Weekly Inspection Report
STR2013-0303	03/03 – 03/09	Streets Weekly Inspection Report
TIC2013-0303	03/03 – 03/09	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0303	03/03 – 03/09	Waterwalk Weekly Inspection Report
PEN2013-0303	03/03 – 03/09	Peninsula Weekly Inspection Report
GEN2013-0310	03/10 – 03/16	General Site Weekly Inspection Report
SH2013-0310	03/10 – 03/16	Stack Hill Weekly Inspection Report
STR2013-0310	03/10 – 03/16	Streets Weekly Inspection Report
GEN2013-0317	03/17 – 03/23	General Site Weekly Inspection Report
SH2013-0317	03/17 – 03/23	Stack Hill Weekly Inspection Report
STR2013-0317	03/17 – 03/23	Streets Weekly Inspection Report
TIC2013-0317	03/17 – 03/23	Temporary Impermeable Cap Weekly Inspection Report
PEN2013-0317	03/17 – 03/23	Peninsula Weekly Inspection Report
GEN2013-0324	03/24 – 03/30	General Site Weekly Inspection Report
SH2013-0324	03/24 – 04/30	Stack Hill Weekly Inspection Report
STR2013-0324	03/24 – 04/30	Streets Weekly Inspection Report



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0303

Week of: 03/03 - 03/09, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
Gates:	Good	Fair	Poor	Yes	No	(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:	Good	Fair	Poor	Yes	No	ROUNDABOUT SIGN ON B RDMORE IS FALLING DOWN.
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:	Good	Fair	Poor	Yes	No	
Locks	✓				✓	CHECKED ALL PERIMETER LOCKS
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:	Good	Fair	Poor	Yes	No	
Silt Fence						
Waddles						
Nursery:	Good	Fair	Poor	Yes	No	TIRE RUTS NEEDED FILLED
Plants	✓				✓	
Sprinkler	✓				✓	OFF FOR SEASON
Weeds	✓				✓	
Stockpiles:	Good	Fair	Poor	Yes	No	
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:	Good	Fair	Poor	Yes	No	
Traffic areas	✓				✓	WATER SPRAY USED AS NEEDED
Excavation area	✓				✓	" " " " "
Fencing:	Good	Fair	Poor	Yes	No	EZ FENCE MAINTENANCE ONGOING
Site Perimeter	✓				✓	
Zone Separation	✓				✓	
CRZs:	Good	Fair	Poor	Yes	No	
Area D	✓				✓	
(Other)						
Haul Roads:	Good	Fair	Poor	Yes	No	PATCHED POTHOLES AS NEEDED
Main Street	✓				✓	CLOSED 3/6 BTWN CHURCH & GRAND.
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 0303
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: E-Sampler Network Shipping ON 3/8/13. Bison coming ON 3/14 + 3/15 To Assist.
 - Debris From Town Of Ruston Are Flushing Down 51st STREET To New CB's + Filterbas On Ruston Way.
 - Buried Grand Gate Exit Sensor For Asphalt Work.

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	3	Ø	Ø	Ø	No Activity
Mon	4	3	1	Ø	24-HR. Avg = $6 \mu\text{g}/\text{m}^3$ / TIC GRADING IN 50' BUFFER 9A-9B
Tue	5	3	1	Ø	24-HR. Avg. = $1 \mu\text{g}/\text{m}^3$ / TIC GRADING CONTINUED
Wed	6	3	1	Ø	24-HR. Avg. = $1 \mu\text{g}/\text{m}^3$ / TIC GRADING # 17 + 18
Thu	7	3	1	Ø	24-HR. Avg. = $1 \mu\text{g}/\text{m}^3$ / SEDIMENT CAPPING CONTINUES
Fri	8	3	1	Ø	24-HR. Avg. = $1 \mu\text{g}/\text{m}^3$ / TIC ACTIVITY
Sat	9	3	1	Ø	24-HR. Avg. = $2 \mu\text{g}/\text{m}^3$ / TIC ACTIVITY 1A+B

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	3	37	49	SSE	4	7	.3	
Mon	4	33	57	NNE	1	6	Ø	MOSTLY CLEAR + SUNNY
Tue	5	40	54	ESE	3	6	Ø	SCATTERED DRIZZLES / MOSTLY CLOUDY
Wed	6	41	46	NE	2	6	.17	OVERCAST W/ DRIZZLES / SCATTERED SHOWERS
Thu	7	42	59	WSW	2	13	.31	MORNING RAIN / AFTERNOON SUN BREAKS
Fri	8	40	57	NE	3	9	Ø	MOSTLY SUNNY
Sat	9	34	57	NW	2	9	Ø	MORNING FOG/SMOG UNTIL NOON / THEN CLEARING

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/14/13 SIGNED: [Signature]

H&S OFFICER: DATE: 3/14/13 SIGNED: [Signature]



Weekly Site Inspection Report No. SH 2013- 0303

Week of: 03/03 - 03/08, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	See Notes:
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓			✓	✓	
(Other)	✓			✓	✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels	✓				✓	See Notes
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers		✓		✓	✓	See Notes
Utilities		✓		✓	✓	
Survey Stakes		✓		✓	✓	
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

lot # 2: AD post is down
lot # 3: Tire marks on concrete
lot # 4: New construction / building materials / open excavation
lot # 15: New construction / building materials / dirt on walk & street
lot # 28: New construction / materials / equipment / open excavation
Utility markers are down / lot # 23 is missing marker
lots 22, 23, 24 / Building materials
View Point: Tree branches / fence panel down

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03/08/2013

SIGNED: Henry J. Slaughter

H&S OFFICER: DATE: 3/9/13

SIGNED: [Signature]

Weekly Site Inspection Report No. STR 2013-0303Week of: 03 103 - 03 108, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						See Notes
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						See Notes
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						See Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						See Notes
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	✓				✓	
Cooling Pond – North	✓				✓	
Lot #12	✓				✓	
Lot #10 – West	✓				✓	
Lot #10 – North	✓				✓	
BNSF – A	✓				✓	
OSW02	✓				✓	
Grand – East	✓				✓	
Grand – West	✓				✓	
Cascade	✓				✓	
Yacht Club – North	✓				✓	
Yacht Club – South	✓				✓	

Other:	Good	Fair	Poor	Yes	No	
Roundabouts						
Jersey Barriers						
Baltimore Bridge						

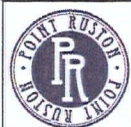
Misc. notes:

Private Parking Sign Posted at Water Walk / Parking blocks set
 Tow-Away Signs Posted at Yacht Club, Central, Grand Ave.
 Status on Side walk / Tire marks / Water Walk
 Status on bricks / Sidewalk at Yacht Club
 Gaps along edge of bricks at Grand Ave.
 Removed Thrash / Debris Ruston Way
 Cleaned Catch basin 51st STR.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-08-2013 SIGNED: Harry J. Slawey

REVIEWED: DATE: 3/9/13 SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No.

TIC 2013- 0303(A)

Week of: 3 / 3 - 3 / 10, 2013

Inspector: Kevin Turner

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____								No T.I.C. COMPLETELY GRADED METHANE TESTING WELLS DUG
Lot 3 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____	✓						✓	TIC IS DONE ANCHOR EDGE IS 90% DONE SLIGHT POOLING ON EAST EDGE
Lot 4 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____	✓						✓	TIC IS DONE ANCHOR EDGE IS 95% DONE SLIGHT POOLING ON EAST EDGE
Lot 5/6 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____	✓						✓	TIC IS DONE LOOKS GOOD POOLING ON SOUTH END
Lot 7 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____	✓						✓	NO POOLING LOOKS GOOD
Lot 9/11 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____								No TIC Grading & Preping For T.I.C.
Lot 14 Geomembrane Sand Bag Cover Anchor Edge Berm Drainage Other _____								No T.I.C. 1/2 VEGETATION

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-0303(A)
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								
Geomembrane								No T.I.C.
Sand Bag Cover								
Anchor Edge Berm								Clear Vegetation
Drainage								
Other _____								
MMZ								
Stock Piles	✓						✓	
Drainage	✓						✓	
Other _____								

Misc. notes: * LOT #17 WORK HAS BEGUN FOR:

- 1) THE DIGGING OF A SWELL TO CAPTURE RUN-OFF
- 2) ON THE EAST END OF THE LOT ⇒ DIGGING A TRENCH

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 5 March 2013 SIGNED: Kevin Turner

REVIEWED: DATE: 3/9/13 SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No.

TIC 2013- 03-03 (E)

Week of: 03/03-03/10, 2013

Inspector: Kevin Turner

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane								No T.I.C.
Sand Bag Cover								COMPLETELY GRADED
Anchor Edge Berm								METHANE TESTING WELLS DUG
Drainage								BARE SOIL
Other								
Lot 3								
Geomembrane	✓					✓		TIC IS DONE
Sand Bag Cover	✓					✓		ANCHOR EDGE IS DONE
Anchor Edge Berm	✓					✓		SLIGHT POOLING ON EAST EDGE
Drainage	✓					✓		
Other								
Lot 4								
Geomembrane	✓					✓		TIC IS DONE
Sand Bag Cover	✓					✓		ANCHOR EDGE IS DONE * (ALMOST)
Anchor Edge Berm	✓					✓		SLIGHT POOLING ON EAST EDGE
Drainage	✓					✓		
Other								
Lot 5/6								
Geomembrane	✓					✓		TIC IS DONE
Sand Bag Cover	✓					✓		LOOKS GOOD!
Anchor Edge Berm	✓					✓		POOLING ON SOUTH EDGE
Drainage	✓					✓		
Other								
Lot 7								
Geomembrane	✓					✓		NO POOLING
Sand Bag Cover	✓					✓		LOOKS GOOD!
Anchor Edge Berm	✓					✓		
Drainage	✓					✓		
Other								
Lot 9/11								
Geomembrane								NO TIC
Sand Bag Cover								GRADING & PREPING FOR TIC
Anchor Edge Berm								CLEARED WHOLE AREA OF
Drainage								GROUND COVER - BARE SOIL
Other								
Lot 14								
Geomembrane								NO TIC
Sand Bag Cover								1/2 VEGETATION COVER
Anchor Edge Berm								
Drainage								
Other								

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-0303(B)
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								No T.I.C.
Geomembrane								
Sand Bag Cover								
Anchor Edge Berm								CLEARED OF VEGETATION
Drainage								AND GRASS
Other _____								
MMZ								
Stock Piles	✓						✓	
Drainage	✓						✓	
Other _____								

Misc. notes:

* **LOT #17 Work Has BEGUN For:**

- 1) THE DIGGING OF A SWELL TO CAPTURE RUN-OFF
- 2) ON THE EAST END OF THE LOT ⇒ DIGGING A TRENCH

* **SWELL SECTION OF ANCHOR EDGE NEAR INTERSECTION #1 NEEDS FINISHING**
NW END LOT 4B (ABOUT 20' LINEAR FT)

NOTE: TWO T.I.C. INSPECTIONS DONE THIS WEEK DUE TO
HEAVY RAIN AND WIND EVENTS.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 7 March 2013 SIGNED: Kevin Turner

REVIEWED: DATE: 3/9/13 SIGNED: [Signature]



WATERWALK

Weekly Site Inspection Report No. WW 2013- 0303

Week of: ^(MM) 3 / ^(DD) 3 - ^(MM) 3 / ^(DD) 10 , 2013 Inspector: Kent Turner

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Paths:						
Asphalt	✓				✓	
Gravel	✓				✓	
Signage:						
Perimeter/Trespass	✓				✓	
Perimeter/"No Access"	✓				✓	
Park Rules	✓				✓	
(Other)						
Street Lights:						
Junction Boxes	✓				✓	
Poles	✓				✓	
Bulbs	✓				✓	
Banners	✓				✓	
Storm Drains:						
Area Drains	✓				✓	
Clean Outs	✓				✓	
Octopus:						
Tile	✓				✓	FENCE REMOVED. PARKING ESTABLISHED
Grout	✓				✓	KEEP OFF GRASS SIGNS POSTED. WATERWALK
Paint	✓				✓	OPENED TO PUBLIC - LOOKS GOOD
						*PRIVATE PROPERTY SIGN - NEED TO BE REMOVED
Intersection #1:						
Tile	✓				✓	NEED CLEANING
Grout	✓				✓	
Paint	✓				✓	
Intersection #2:						
Tile		✓			✓	NEEDS CLEANING
Grout		✓			✓	
Paint		✓			✓	
Intersection #3:						
Tile	✓					NEEDS CLEANING
Grout	✓					
Paint	✓					
Intersection #4:						
Tile						WORK IN PROGRESS
Grout						
Paint						

WATERWALK - Weekly Site Inspection Report No. WW 2013- 0303
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	✓					
Valve Boxes	✓					
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	✓					
Plants	✓					
Grass		✓				HAS FOOTSTEPS IN GRASS
Bark/Mulch	✓					
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	✓					
Tables	✓					
Trash Cans	✓					
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South						GATE REMOVED - TEMP. GATE @ FERRY
TIC – 3/4						
Intersection #1	✓					NOT LOCKED
Intersection #2	✓					GATE LOCKED
Intersection #3	✓					NOT LOCKED
Grand Plaza						
Intersection #4						GATE LOCKED
Peninsula - North						
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	✓				✓	LIGHTS ON 24/7
Concrete	✓				✓	
Rails	✓				✓	
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	✓				✓	
Sign	✓				✓	
Boardwalk/Benches	✓				✓	
Swings	✓				✓	
Chips	✓				✓	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	✓					
Tide Pool	✓					

Misc. notes (use continuation sheet if necessary):

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE:

5 March 2013

SIGNED:

Kevin Turner / HARRY S.

REVIEWED: DATE:

3/5/13

SIGNED:

[Signature]



Weekly Site Inspection Report No. PEN 2013-0303

Week of: 43/43 - 43/49, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
Fence:	Good	Fair	Poor	Yes	No	
Perimeter	✓				✓	
Exclusion Zone						
Silt	✓				✓	NONE
Source Area:	Good	Fair	Poor	Yes	No	
Drainage	✓				✓	
BMPs	✓				✓	
Equipment	✓				✓	
Metro Parks Materials	✓				✓	
Haul Road:	Good	Fair	Poor	Yes	No	
Road Base	✓				✓	SOME RUTTING NEAR EXCAVATION AREA
Gravel Cover	✓				✓	
Drainage	✓				✓	
Metro Parks Materials	✓				✓	
Peninsula Liner:	Good	Fair	Poor	Yes	No	
Geomembrane						PENDING
Gravel Cover						
Marker Fabric						
Drainage	✓			✓		7 AREA ALONG PAVEMENT IS FILLING WITH SILT FROM EROSION.
Other Features:	Good	Fair	Poor	Yes	No	
Shoreline Armoring	✓				✓	BMP'S (WADLES) OKAY
Habitat Basin	✓				✓	METAL TANK HAS BEEN THERE FOR SEVERAL YEARS
City Outfall	✓				✓	

Misc. notes:

NOTE: EROSION ALONG PAVEMENT MENTIONED ABOVE WAS CLEARED OUT WITH VACUUM TRUCK ON 3/8/13. PLASTIC SLOPE COVER NEAR YACHT CLUB BOAT STORAGE WAS ALSO REPAIRED.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/7/13 SIGNED: [Signature]

H&S OFFICER: DATE: 3/7/13 SIGNED: [Signature]



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0310

Week of: ^(MM) 03/10 - ^(DD) 03/16, 2013 Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓			✓		NEED MORE SIGNS FOR STAGE 1B WATERWORK
Safety	✓				✓	
Security:						
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	TIRE RUTS NEED FILLED
Sprinkler	✓				✓	OFF FOR SEASON
Weeds	✓				✓	
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓				✓	WATER SPRAY USED AS NEEDED
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓			✓		HOLE IN FENCE AT COOLING POND NEEDS REPAIR CONTINUOUS MAINTENANCE + REPAIR
Zone Separation	✓				✓	
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	CLOSED BETWEEN CASCADE + GRAND
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 0318
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: - METHANE MONITORING CONDUCTED ON 3/13.

NOTE: SETUP NEW E-SAMPLER DUST MONITORING NETWORK. (3/15)

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun 10	0	1	0	0	24-Hr. Avg. = $2 \mu\text{g}/\text{m}^3$ / WORKED ON WIRING UP NEW HI-VOLS FOR OCCUPANCY MONITORING
Mon 11	3	1	0	0	24-Hr. Avg. = $2 \mu\text{g}/\text{m}^3$
Tue 12	3	1	0	0	24-Hr. Avg. = $1 \mu\text{g}/\text{m}^3$
Wed 13	3	1	0	0	24-Hr. Avg. = $< 1 \mu\text{g}/\text{m}^3$; HIGH = $5 \mu\text{g}/\text{m}^3$ AT 03:05
Thu 14	3	1	0	0	24-Hr. Avg. = $2 \mu\text{g}/\text{m}^3$; HIGH = $9 \mu\text{g}/\text{m}^3$ AT 18:05
Fri 15	3	1	0	0	24-Hr. Avg. = $1 \mu\text{g}/\text{m}^3$; HIGHS = $16 \mu\text{g}/\text{m}^3$ AT 14:05 + $11 \mu\text{g}/\text{m}^3$ AT 13:0
Sat 16	0	4	0	0	REAL TIME MONITORING NETWORK UNDER TEST

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun 10		37	48	ESE	2	7	.02	MOSTLY CLOUDY w/ SCATTERED SHOWERS
Mon 11		43	54	NE	1	5	0	MOSTLY CLOUDY w/ SCATTERED DRIZZLES
Tue 12		47	58	S	7	30	.12	OVERCAST w/ AFTERNOON SHOWERS
Wed 13		49	54	SSW	6	18	.15	OVERCAST
Thu 14		48	55	SW	4	12	.09	OVERCAST w/ EVENING SHOWERS
Fri 15		48	64	SW	5	15	.13	SCATTERED MORNING SHOWERS / MOSTLY CLOUDY
Sat 16		40	52	SW	9	26	.12	MORNING + MIDDAY SHOWERS / AFTERNOON SUN BREAKS

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/18/13

SIGNED: [Signature]

H&S OFFICER: DATE: 3/18/13

SIGNED: [Signature]



Weekly Site Inspection Report No. SH 2013- 0310

Week of: 03/10 - 03/15, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels	✓				✓	
Street Lights:						
Condition						
Site Markers:						
Lot Numbers	✓				✓	Site Marker Missing Lot #23
Utilities		✓		✓		
Survey Stakes		✓		✓		
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

New Construction Lots # 4, 28, 15

Construction Materials, equipment; open excavation - utility water.

Dirty tire tracks at lot #4

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 02-15-2013

SIGNED: 

H&S OFFICER: DATE: 3/16/13

SIGNED: 

Weekly Site Inspection Report No. STR 2013- 0310Week of: 03/10 - 03/15, 2013 Inspector: Harry Slomwitzer

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	Removed debris
Filtreras	✓				✓	
Sidewalks:						See Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch		✓			✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	✓				✓	
Cooling Pond – North	✓				✓	Need to change locks
Lot #12	✓				✓	
Lot #10 – West	✓				✓	
Lot #10 – North	✓				✓	
BNSF – A	✓				✓	
OSW02	✓				✓	
Grand – East	✓				✓	
Grand – West	✓				✓	
Cascade	✓				✓	
Yacht Club – North	✓				✓	
Yacht Club – South	✓				✓	

Other:	Good	Fair	Poor	Yes	No	
Roundabouts	✓				✓	
Jersey Barriers	✓				✓	
Baltimore Bridge	✓				✓	

Misc. notes:

Stains on Sidewalk at octopus
 Sidewalk has dirt, Rocks and tire marks

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-15-2013

SIGNED: 

REVIEWED: DATE: 3/16/13

SIGNED: 



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0317

Week of: ^(MM) 03/17 - ^(DD) 03/23, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates:						(See "Streets" Report for additional gates)
Slag Peninsula	✓				✓	
52 nd Street	✓				✓	
54 th Street (electric)	✓				✓	
Signage:						
Gates	✓				✓	
Perimeter	✓				✓	
Safety	✓				✓	
Security:						
Locks	✓				✓	
Alarms	✓				✓	
Cameras		✓			✓	
BMPs:						
Silt Fence	✓				✓	
Waddles	✓				✓	
Nursery:						
Plants	✓				✓	
Sprinkler	✓				✓	
Weeds	✓				✓	
Stockpiles:						
Envirotac II	✓				✓	
Plastic	✓				✓	
Packed	✓				✓	
Grass	✓				✓	
Dust:						
Traffic areas	✓				✓	WATER SPRAY USED AS NEEDED
Excavation area	✓				✓	
Fencing:						
Site Perimeter	✓			✓		HOLDING FENCE AT COAL POND NEEDS REPAIRED. CONTINUUAL MAINTENANCE
Zone Separation	✓			✓		
CRZs:						
Area D	✓				✓	
(Other)						
Haul Roads:						
Main Street	✓				✓	NOTE: RFI #22 SAMPLING ON MAIN ST. CLOSED BETWEEN CASCADE + GRAND
Grand Ave.	✓				✓	
OCF road	✓				✓	
Metr.Pks-Peninsula	✓				✓	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 0317
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes: - UNKNOWN PERSON BELIEVED TO HAVE HOPPED FENCE AT GRAND + RUSTON WAY, USED PORTABLE TOILET + WALKED OUT W/ VEHICLE. (3/21)
 3/21 RECKLESS DRIVER SKIPPED OFF ROAD AT BALTIMORE ROUNDABOUT.
 3/23 PUBLIC AT PENINSULA PROJECT NEEDS ATTENTION BEFORE NEXT STORM.

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	17	0	4	0	24-HR. AVG. = $1 \mu\text{g}/\text{m}^3$; HIGH = $5 \mu\text{g}/\text{m}^3$ AT 7-11 AM (5-POINTS)
Mon	18	3	4	0	24-HR. AVG. = $1 \mu\text{g}/\text{m}^3$; HIGH = $6 \mu\text{g}/\text{m}^3$ AT ES4 (NW30) S. HI-VOL GAIT EARLY FRIDAY, STOPPED MONDAY SHORT.
Tue	19	3	4	0	24-HR. AVG. = $< 1 \mu\text{g}/\text{m}^3$; HIGH = $14 \mu\text{g}/\text{m}^3$ AT 14:05 (PAVING) BN DUST S. HI-VOL BRANCHES REPLACED + CALIBRATED.
Wed	20	3	4	0	24-HR. AVG. = $3 \mu\text{g}/\text{m}^3$; HIGH = $14 \mu\text{g}/\text{m}^3$ AT 21:10 (ES1) / ES4 LOST FLOW
Thu	21	3	4	0	24-HR. AVG. = $2 \mu\text{g}/\text{m}^3$; HIGH = $9 \mu\text{g}/\text{m}^3$ AT 10:50 (ES1)
Fri	22	3	4	3	24-HR. AVG. = $4 \mu\text{g}/\text{m}^3$; HIGH = $24 \mu\text{g}/\text{m}^3$ AT 22:35 (ES2) PER. AIR MONITORING OF WORKERS EXCAVATING POND OUT LOT 11B
Sat	23	3	4	0	24-HR. AVG. = $8 \mu\text{g}/\text{m}^3$; HIGH = $50 \mu\text{g}/\text{m}^3$ AT 01:25 (ES2)

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	17	39	50	SSW	9	30	Ø	WINDY / MOSTLY CLOUDY / AFTERNOON SUN BREAKS
Mon	18	39	56	SSW	9	26	Ø	WINDY / MOSTLY SUNNY
Tue	19	36	53	ENE	1	6	.33	OVERCAST / EVENING RAIN
Wed	20	38	51	SW	9	31	.75	SCATTERED HEAVY RAINS / WINDY / SUN BREAKS
Thu	21	37	51	SW	7	25	Ø	WINDY / PARTLY CLOUDY
Fri	22	32	52	SSE	3	10	Ø	COOL + CLEAR / SCATTERED AFTERNOON SHADOWS
Sat	23	34	58	SE	3	6	Ø	MOSTLY SUNNY

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/24/13

SIGNED: [Signature]

H&S OFFICER: DATE: 3/24/13

SIGNED: [Signature]



Weekly Site Inspection Report No. SH 2013- 0317

Week of: 03/17 - 03/23, 2013 Inspector: Harry Skaghter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	See Notes
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	Silt fence
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas	✓				✓	
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels		✓			✓	
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers		✓			✓	See Notes
Utilities			✓	✓		
Survey Stakes		✓			✓	
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

Lot # 2 Sidewalk dirty, Tire Marks

Lot # 4 Construction Materials / equipment

Lot # 29 Construction Materials

Lot # 28 Construction Materials, equipment; Stairs in Street
Utility Markers are down, Sewer, drainage

Lot # 23 is missing site marker

Lot # 15 Construction Materials, equipment

B.M.P.s: At new construction site; Silt fence

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-22-2013

SIGNED: Harry J. Slaughter

H&S OFFICER: DATE: 03/24/13

SIGNED: 

Weekly Site Inspection Report No. STR 2013- 0317

(MM) (DD) (MM) (DD)
 Week of: 03/17 - 03/23, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						See Notes
Surface	✓				✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓				✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						See Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						
Trees	✓				✓	
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						See Notes
Grand Yacht Club						
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No
Cooling Pond – West	✓				✓
Cooling Pond – North	✓				✓
Lot #12	✓				✓
Lot #10 – West	✓				✓
Lot #10 – North	✓				✓
BNSF – A	✓				✓
OSW02	✓				✓
Grand – East	✓				✓
Grand – West	✓				✓
Cascade	✓				✓
Yacht Club – North	✓				✓
Yacht Club – South	✓				✓

Other:	Good	Fair	Poor	Yes	No
Roundabouts	✓				✓
Jersey Barriers	✓				✓
Baltimore Bridge	✓				✓

Misc. notes:

Removed Misc. signs from Yacht Club Roundabout. (REALTOR + ADVERTISING)
 Skid Marks on Road & Sidewalk @ Yacht Club Roundabout
 Graveling (BNSF); Tracks ID Street @ Grand Ave Roundabout
 Stairs on Sidewalk @ Grand Ave; Water Walk

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-22-2013

SIGNED: Harry J. Shum

REVIEWED: DATE: 03/24/13

SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0317 - A

Week of: 03 / 17 - 03 / 24 , 2013 Inspector: KEVIN TURNER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane	✓						✓	SLIGHT POOLING S.E. CORNER
Sand Bag Cover	✓						✓	
Anchor Edge Berm								
Drainage	✓						✓	90% COMPLETED
Other _____								
Lot 3								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	SLIGHT POOLING
Other _____								
Lot 4								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	POOLING SOUTH MIDDLE EDGE
Other _____								
Lot 5/6								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	POOLING SOUTH SIDE
Other _____								
Lot 7								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	SLIGHT POOLING WEST SIDE
Other _____								
Lot 9/11								
Geomembrane								NO TIC
Sand Bag Cover								-Cleared + Graded-
Anchor Edge Berm								-IN THE PROCESS OF EXCAVATING
Drainage								FOR A RETENTION POND
Other _____								
Lot 14								
Geomembrane								NO T.I.C.
Sand Bag Cover								-Cleared + Graded-
Anchor Edge Berm								-IN THE PROCESS OF EXCAVATING
Drainage								1/2 GRAVEL
Other _____								1/2 TOPSOIL + GRASS

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 0317-A
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								<i>No T.I.C.</i>
Geomembrane								
Sand Bag Cover								<i>GRAVEL, ASPHALT, + CEMENT</i>
Anchor Edge Berm								
Drainage								
Other _____								
Lot 17/18								<i>No T.I.C.</i>
Geomembrane								<i>CLEARED + GRADED → LOT 17</i>
Sand Bag Cover								<i>TOPSOIL + GRASS ON LOT 18</i>
Anchor Edge Berm								
Drainage								
Other _____								
MMZ (Lot 15)								<i>No T.I.C.</i>
Stock Piles	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	
Drainage								<i>GRAVEL, DIRT, + SAND</i>
Other _____								

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 19 MARCH 2013 SIGNED: Kevin Turner

REVIEWED: DATE: 3/23/13 SIGNED: [Signature]



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- 0317 - B

Week of: 03 / 17 - 03 / 23, 2013

Inspector: KEVIN TURNER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 1								
Geomembrane	✓							
Sand Bag Cover	✓							
Anchor Edge Berm								
Drainage	✓							90% COMPLETED
Other _____								
Lot 3								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	
Other _____								
Lot 4								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	
Other _____								
Lot 5/6								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	
Other _____								
Lot 7								
Geomembrane	✓						✓	
Sand Bag Cover	✓						✓	
Anchor Edge Berm	✓						✓	
Drainage	✓						✓	
Other _____								
Lot 9/11								
Geomembrane								No T.I.C.
Sand Bag Cover								GRADED AND PREPPED FOR T.I.C.
Anchor Edge Berm								
Drainage								
Other _____								
Lot 14								
Geomembrane								No T.I.C.
Sand Bag Cover								1/2 GRASS COVER
Anchor Edge Berm								1/2 GRAVEL COVER
Drainage								
Other _____								

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013-0317-B
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	Yes	No	
Lot 16								<u>No T.I.C</u>
Geomembrane								
Sand Bag Cover								
Anchor Edge Berm								
Drainage								
Other _____								
Lot 17/18								<u>No T.I.C</u>
Geomembrane								
Sand Bag Cover								
Anchor Edge Berm								
Drainage								
Other _____								
MMZ (Lot 15)								
Stock Piles	✓						✓	
Drainage	✓						✓	
Other _____								

Misc. notes:

♦ TWO T.I.C INSPECTIONS THIS WEEK DUE TO HEAVY RAINS AND WINDS.

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 21 March 2013 SIGNED: Kevin Turner

REVIEWED: DATE: 03/24/13 SIGNED: [Signature]



PENINSULA

Weekly Site Inspection Report No. **PEN 2013-0317**

Week of: ^(MM) 03 / ^(DD) 17 - ^(MM) 03 / ^(DD) 23 , 2013 Inspector: KEVIN TURNER / HARRY SLAUGHTER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERALL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Fence:						
Perimeter	✓				✓	WHERE THERE WAS WIND DAMAGE - HARRY + I REPAIRED
Exclusion Zone						
Silt			ⓧ	ⓧ		SILT FENCE - NEEDS REPAIR AT N. CORNER
Source Area:						
Drainage	✓				✓	
BMPs	✓				✓	
Equipment	✓				✓	
Metro Parks Materials	✓				✓	
Haul Road:						
Road Base	✓					* FENCE HAD WIND DAMAGES
Gravel Cover	✓					HARRY + I REPAIRED AT 3
Drainage	✓					DIFFERENT PLACES
Metro Parks Materials	✓					
Peninsula Liner:						
Geomembrane						NO T.I.C
Gravel Cover						
Marker Fabric	✓			ⓧ		2 PLACES WHERE WIND DAMAGED WAS OBSERVED. NEEDS REPAIR
Drainage						PICTURES WERE TAKEN.
Other Features:						
Shoreline Armoring	✓				✓	
Habitat Basin	✓				✓	
City Outfall						

Misc. notes:

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 21 March 2013 SIGNED: Kevin Turner

H&S OFFICER: DATE: 03/24/13 SIGNED: [Signature]



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- 0324

Week of: ^(MM) 03/24 - ^(DD) 03/30, 2013 ^(MM) ^(DD) Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	Good ✓ ✓ ✓	Fair	Poor	Yes	No ✓ ✓ ✓	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good ✓ ✓ ✓	Fair	Poor	Yes	No ✓ ✓ ✓	ROUNDABOUT SIGN ON BALTIMORE ON GROUND
Security: Locks Alarms Cameras	Good ✓ ✓	Fair ✓	Poor	Yes	No ✓ ✓ ✓	TRESPASS AT TUNNELS + SH #15 (SEE NOTES)
BMPs: Silt Fence Waddles	Good ✓ ✓	Fair	Poor	Yes	No ✓ ✓	
Nursery: Plants Sprinkler Weeds	Good ✓ ✓ ✓	Fair	Poor	Yes	No ✓ ✓ ✓	
Stockpiles: Envirotac II Plastic Packed Grass	Good ✓ ✓ ✓ ✓	Fair	Poor	Yes	No ✓ ✓ ✓ ✓	
Dust: Traffic areas Excavation area	Good ✓ ✓	Fair	Poor	Yes	No ✓ ✓	WATER SPRAY AS NEEDED
Fencing: Site Perimeter Zone Separation	Good ✓ ✓	Fair	Poor	Yes ✓	No ✓ ✓	NEW FENCE GOING UP AROUND LOT #7 REMOVED TEMP. FENCES FROM STACK HILL CRZ FENCE NEEDS REPLACED (AREAD)
CRZs: Area D (Lot 17) (Other)	Good ✓	Fair	Poor	Yes ✓	No	→ FENCE
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good ✓ ✓ ✓ ✓	Fair	Poor	Yes	No ✓ ✓ ✓ ✓	OPENED END OF DRY 3/26 (CLOSED AT 11:00 AM 3/28)

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 0324
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	3/25 NOTICED FRESH GRAFFITI ON TUNNELS + LOT #15 FOUNDATION.
3/25	BARK BLINDS AT BNSF PROPERTY MOUNTED TO LOT 7 MAY HAVE CONTRIBUTED TO ELEVATED DUST LEVELS.
3/25	REVIEW FERRY ACCESS + SECURITY w/ WARTY
3/27	PERSON BURNING YARD DEBRIS ACROSS RR TRACKS FROM SITE.
3/27	OPENED STAGE 1B OF WATER WAY

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	24	0	4	0	24-HR. AVG. = 11 $\mu\text{g}/\text{m}^3$; HIGH = 29 $\mu\text{g}/\text{m}^3$ AT 20:30 (ES3)
Mon	25	4	4	0	1ST RUN DAY FOR HIGH VOL AT LOT 1A (PAIRED w/ ES1) 24-HR. AVG. = 5 $\mu\text{g}/\text{m}^3$; PEAKS = 23-24 $\mu\text{g}/\text{m}^3$ AT 0900-0930 (ES1, 2+3)
Tue	26	4	4	0	24-HR. AVG. = 4 $\mu\text{g}/\text{m}^3$; HIGH = 25 $\mu\text{g}/\text{m}^3$ AT 01:30 (ES1)
Wed	27	4	4	0	24-HR. AVG. = 5 $\mu\text{g}/\text{m}^3$; HIGH = 25 $\mu\text{g}/\text{m}^3$ AT 23:35 (ES3) NEIGHBOR BURNING
Thu	28	4	4	0	24-HR. AVG. = 8 $\mu\text{g}/\text{m}^3$; HIGH = 26 $\mu\text{g}/\text{m}^3$ AT 08:00 (ES1) ES2 STOPPED
Fri	29	4	4	0	24-HR. AVG. = 3 $\mu\text{g}/\text{m}^3$; HIGH = 18 $\mu\text{g}/\text{m}^3$ AT 09:20 + 12:30 (ES1)
Sat	30	4	4	0	WHERE SOIL GRADING ON LOTS 17 + 18. LINDER INSTALLED 9 + 11. 24-HR. AVG. = 3 $\mu\text{g}/\text{m}^3$; HIGH = 15 $\mu\text{g}/\text{m}^3$ AT 11:05 (ES2)

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	24	32	58	SSW	2	3	Ø	OVERCAST / AFTERNOON SUN BREAKS
Mon	25	36	65	SSW	3	8	Ø	Mostly Sunny
Tue	26	46	62	S	2	6	Ø	Mostly Sunny
Wed	27	44	56	NNW	2	7	Ø	Mostly Sunny / SCATTERED CLOUDS
Thu	28	44	66	SW	2	13	.04	PARTLY CLOUDY / HEAVY RAIN AT 4A + 5P
Fri	29	45	67	NE	2	8	.08	MORNING RAIN THEN Mostly Sunny / SCATTERED CLOUDS
Sat	30	44	68	N	3	10	Ø	Mostly Sunny / MORNING CLOUDS

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/31/13

SIGNED: [Signature]

H&S OFFICER: DATE: 3/31/13

SIGNED: [Signature]

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- 0324
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	3/25 NOTICED FRESH GRAFFITI ON TUNNELS + LOT #15 FOUNDATION.
3/25	BARK BLINDS AT BMSF PROPERTY ADJACENT TO LOT 7 MAY HAVE CONTRIBUTED TO ELEVATED DUST LEVELS.
3/25	REVIEW FERRY ACCESS + SECURITY W/ WARTY
3/27	PERSON BURNING YARD DEBRIS ACROSS RR TRACKS FROM SITE.
3/27	OPENED STAGE 1B OF WATER WALK

Air Monitoring:

Day of Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	24	0	4	0	24-HR. AVG. = 11 $\mu\text{g}/\text{m}^3$; HIGH = 29 $\mu\text{g}/\text{m}^3$ AT 20:30 (ES3)
Mon	25	4	4	0	1ST RUN DAY FOR HIGH VOL AT LOT 1A (PAREADY/ESI) 24-HR. AVG. = 5 $\mu\text{g}/\text{m}^3$; PEAK = 23-24 $\mu\text{g}/\text{m}^3$ AT 0900-0930 (ES1, 25)
Tue	26	4	4	0	24-HR. AVG. = 4 $\mu\text{g}/\text{m}^3$; HIGH = 25 $\mu\text{g}/\text{m}^3$ AT 01:30 (ES1)
Wed	27	4	4	0	24-HR. AVG. = 5 $\mu\text{g}/\text{m}^3$; HIGH = 25 $\mu\text{g}/\text{m}^3$ AT 23:35 (ES3) NEIGHBOR BURNING
Thu	28	4	4	0	24-HR. AVG. = 8 $\mu\text{g}/\text{m}^3$; HIGH = 26 $\mu\text{g}/\text{m}^3$ AT 08:00 (ES1) ESI STOPPED
Fri	29	4	4	0	24-HR. AVG. = 3 $\mu\text{g}/\text{m}^3$; HIGH = 18 $\mu\text{g}/\text{m}^3$ AT 09:20 + 12:30 (ES1)
Sat	30	4	4	0	WATER SOIL GARDEN + ON LOTS 17 + 18. LINER INSTALLED ON 9 + 11. 24-HR. AVG. = 3 $\mu\text{g}/\text{m}^3$; HIGH = 15 $\mu\text{g}/\text{m}^3$ AT 11:05 (ES2)

WEATHER:

Day of Week		Summary of Weather Conditions						
		TEMPERATURE (F)		WIND (MPH)			RAIN (INCHES)	OTHER
		LOW	HIGH	DIRECTION	AVERAGE	GUST		
Sun	24	32	58	SSW	2	3	Ø	OVERCAST / AFTERNOON SUN BREAKS
Mon	25	36	65	SSW	3	8	Ø	Mostly Sunny
Tue	26	46	62	S	2	6	Ø	Mostly Sunny
Wed	27	44	56	NNW	2	7	Ø	Mostly Sunny / SCATTERED CLOUDS
Thu	28	44	66	SW	2	13	.04	PARTLY CLOUDY / HEAVY RAIN AT 4A + 5P
Fri	29	45	67	NE	2	8	.08	MORNING RAIN THEN Mostly Sunny / SCATTERED CLOUDS
Sat	30	44	68	N	3	10	Ø	Mostly Sunny / MORNING CLOUDS

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 3/31/13

SIGNED: [Signature]

H&S OFFICER: DATE: 3/31/13

SIGNED: [Signature]



Weekly Site Inspection Report No. **SH 2013- 0324**

Week of: ^(MM) 03 ^(DD) 124 - ^(MM) 03 ^(DD) 30, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Villard St.	✓				✓	
Court St.	✓				✓	
Commercial St.	✓				✓	
Baltimore St.	✓				✓	
49 th St.	✓				✓	
Tract A (private)	✓				✓	
Lot #18 (private)	✓				✓	
View Point:						
Parking Pad	✓				✓	See Notes
Gravel Path	✓				✓	
Display Boards	✓				✓	
Storm Drains Clean:						
Catch Basins	✓				✓	
BMPs:						
Hydroseed	✓				✓	
(Other)	✓				✓	
Sidewalks:						
Damage	✓				✓	
Weeds	✓				✓	
Signage:						
Perimeter "Advisory"	✓				✓	
No Trespass (Tunnel Hillside)	✓				✓	
Dust:						
Excavation Areas						
Fencing:						
4' Site Perimeter	✓				✓	
6' Temp. Panels						N/A
Street Lights:						
Condition	✓				✓	
Site Markers:						
Lot Numbers	✓			✓		
Utilities		✓		✓		
Survey Stakes		✓		✓		
Retaining Walls:						
Baltimore	✓				✓	
Lots 22/23/24	✓				✓	

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:

lot # 15 Equipment, Materials, Street is very dirty
lot # 4 Equipment, Materials
lot # 28 Stains in Street, Materials, equipment
Silt fence corner of Villard & Commercial
Utility markers down, Sewer, Drainage

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-29-2013

SIGNED: Harry J. Slough

H&S OFFICER: DATE: 3/30/13

SIGNED: [Signature]

Weekly Site Inspection Report No. STR 2013- 0324
 Week of: 03 / 24 - 03 / 30, 2013 Inspector: Harry Slaughter

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (✓ CHECK ONE)			NEED REPAIR? (✓ CHECK ONE)		COMMENTS/OBSERVATIONS
	Good	Fair	Poor	Yes	No	
Streets:						
Surface	✓			✓	✓	
Paint	✓				✓	
Splitter Islands	✓				✓	
Barricades	✓				✓	
Signage:						See Notes
Trespass	✓				✓	
Advisory	✓				✓	
Traffic	✓			✓	✓	
Marketing	✓				✓	
Street Lights:						
Ruston Way	✓				✓	
51 st Street	✓				✓	
Baltimore	✓				✓	
Yacht Club	✓				✓	
Junction Boxes	✓				✓	
Storm Drains:						See Notes
Curb/Gutter	✓				✓	
CBs	✓				✓	
Filtreras	✓				✓	
Sidewalks:						See Notes
Paint	✓				✓	
Crossings	✓				✓	
Bollards	✓				✓	
Landscaping:						See Notes
Trees	✓			✓		
Plants	✓				✓	
Sprinkler	✓				✓	
Bark/Mulch	✓				✓	
Roundabouts:						
Grand	✓				✓	
Yacht Club	✓				✓	
Features:						
Wall/Rail	✓				✓	
Development Sign	✓				✓	

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No
Cooling Pond – West	✓				✓
Cooling Pond – North	✓				✓
Lot #12	✓				✓
Lot #10 – West	✓				✓
Lot #10 – North	✓				✓
BNSF – A	✓				✓
OSW02	✓				✓
Grand – East	✓				✓
Grand – West	✓				✓
Cascade	✓				✓
Yacht Club – North	✓				✓
Yacht Club – South	✓				✓

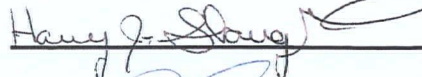
Other:	Good	Fair	Poor	Yes	No
Roundabouts	✓				✓
Jersey Barriers	✓				✓
Baltimore Bridge	✓				✓

Misc. notes:

Roundabout sign from Baltimore Bridge is down
 Curb & gutter Needs cleaning @ 51st STR & Bennett / leaves & debris
 Two tree supports straps need to be repaired
 Tire marks on sidewalk / Needs to be cleaned
 Cracks in sidewalk @ Yacht club Roundabout / Needs to be cleaned
 New landscapes, bark; BNSF; Remove EZ Signs

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: 03-29-2013

SIGNED: 

REVIEWED: DATE: 3/30/13

SIGNED: 

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

OCF
LEACHATE
SAMPLING
DATA

Reference	Date	Description
Analysis	01/29/13	Spectra Labs Project # 2013010594 (shipped 3/15)



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02/07/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Tacoma Smelter OCF-Leachate
Client ID: TSM011329
Sample Matrix: Water
Date Sampled: 01/29/2013
Date Received: 01/30/2013
Spectra Project: 2013010594
Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Arsenic	4.34	mg/L	EPA 200.7

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a6/scj

Page 1 of 1

POINT RUSTON

[illegible]

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

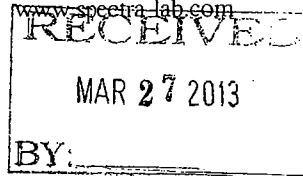
PERIMETER
AIR
MONITORING
DATA
(HIGH VOLUME)

Reference	Date	Description
Hi-Vol	03/04 – 03/30	Spectra Laboratories Analysis Reports for As-Pb
Hi-Vol	03/04 – 03/30	IML Air Science (South Gate Hi-Vol only) Particulate Network Summary Reports for TSP-As-Pb



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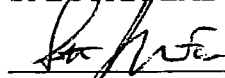
03/21/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 03/11/2013
Spectra Project: 2013030212

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611755	1	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	03/04/2013
8611755	1	Lead	0.0050	µg/m3	SW846 6020A	Filter	03/04/2013
8611754	2	Arsenic	0.0011	µg/m3	SW846 6020A	Filter	03/04/2013
8611754	2	Lead	0.0035	µg/m3	SW846 6020A	Filter	03/04/2013
8611753	3	Arsenic	0.00089	µg/m3	SW846 6020A	Filter	03/05/2013
8611753	3	Lead	0.0023	µg/m3	SW846 6020A	Filter	03/05/2013
8611752	4	Arsenic	0.0014	µg/m3	SW846 6020A	Filter	03/05/2013
8611752	4	Lead	0.0027	µg/m3	SW846 6020A	Filter	03/05/2013
8611751	5	Arsenic	0.00053	µg/m3	SW846 6020A	Filter	03/06/2013
8611751	5	Lead	0.0017	µg/m3	SW846 6020A	Filter	03/06/2013
8611750	6	Arsenic	0.00092	µg/m3	SW846 6020A	Filter	03/06/2013
8611750	6	Lead	0.0023	µg/m3	SW846 6020A	Filter	03/06/2013
8611749	7	Arsenic	0.0014	µg/m3	SW846 6020A	Filter	03/07/2013
8611749	7	Lead	0.0026	µg/m3	SW846 6020A	Filter	03/07/2013
8611748	8	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	03/07/2013
8611748	8	Lead	0.0031	µg/m3	SW846 6020A	Filter	03/07/2013

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Steve Hibbs, Laboratory Manager
a8/scj



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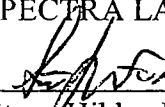
03/21/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring
Date Received: 03/11/2013
Spectra Project: 2013030212

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611747	9	Arsenic	0.0021	µg/m3	SW846 6020A	Filter	03/08/2013
8611747	9	Lead	0.0041	µg/m3	SW846 6020A	Filter	03/08/2013
8611746	10	Arsenic	0.0027	µg/m3	SW846 6020A	Filter	03/08/2013
8611746	10	Lead	0.0054	µg/m3	SW846 6020A	Filter	03/08/2013
8611745	11	Arsenic	0.0028	µg/m3	SW846 6020A	Filter	03/09/2013
8611745	11	Lead	0.0039	µg/m3	SW846 6020A	Filter	03/09/2013
8611744	12	Arsenic	0.0044	µg/m3	SW846 6020A	Filter	03/09/2013
8611744	12	Lead	0.0061	µg/m3	SW846 6020A	Filter	03/09/2013
8611739	13	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	03/11/2013
8611739	13	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	03/11/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2013030212

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS
AIR MONITORING		Pt Ruston LLC			
SAMPLERS: (Signature)					
<i>[Signature]</i>					
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER
3/4/13	OC1-VI		X		8611755
3/4/13	OC4-NW		X		8611754
3/5/13	OC6-VI		X		8611753
3/5/13	OC1-NW		X		8611752
3/6/13	OC1-VI		X		8611751
3/6/13	OC4-NW		X		8611750
3/7/13	OC6-VI		X		8611749
3/7/13	OC4-NW		X		8611748
3/8/13	OC6-VI		X		8611747
3/8/13	OC4-NW		X		8611746
3/9/13	OC6-VI		X		8611745
3/9/13	OC4-NW		X		8611744
3/11/13	Control				8611739
3/11/13	H1 VOLUME SAMPLER LOG				
Relinquished: (Signature)			Date/Time		Received by: (Signature)
<i>[Signature]</i>			3/11/13 11:49		<i>[Signature]</i>
Relinquished (Signature)			Date/Time		Received by: (Signature)
Relinquished (Signature)			Date/Time		Received for Laboratory by: (Signature)
			Date/Time		Enclosed:
					<input type="checkbox"/> Parameter List with DTLs
					<input type="checkbox"/> Cover Letter
Split Samples:					
[] Accepted [] Declined					
Signature					

Point Ruston
Particulate Network Summary - As and Pb
March 4, 2013 thru March 09, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514932	South Gate	03/04/13	1761	<2.00	<0.001	5.48	0.003	
514933	South Gate	03/05/13	1771	<2.00	<0.001	3.68	0.002	
514934	South Gate	03/06/13	1774	<2.00	<0.001	2.65	<0.001	
514935	South Gate	03/07/13	1791	<2.00	<0.001	5.48	0.003	
514936	South Gate	03/08/13	1811	3.28	0.001	7.57	0.004	
514937	South Gate	03/09/13	1790	5.31	0.002	9.04	0.005	

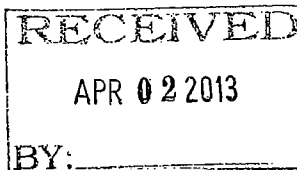
Point Ruston
Particulate Network Summary - TSP
March 4, 2013 thru March 09, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514932	South Gate	03/04/13	4.5601	4.6030	0.0429	1434	1887	1761	23	24	
514933	South Gate	03/05/13	4.5583	4.5855	0.0272	1434	1877	1771	14	15	
514934	South Gate	03/06/13	4.5740	4.5863	0.0123	1428	1879	1774	7	7	
514935	South Gate	03/07/13	4.5654	4.5928	0.0274	1445	1901	1791	14	15	
514936	South Gate	03/08/13	4.5722	4.6213	0.0491	1430	1933	1811	25	27	
514937	South Gate	03/09/13	4.5686	4.6161	0.0475	1430	1932	1790	25	27	



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03/29/2013


Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 03/18/2013
Spectra Project: 2013030370

18

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611743	1	Arsenic	0.0015	µg/m3	SW846 6020A	Filter	03/11/2013
8611743	1	Lead	0.0036	µg/m3	SW846 6020A	Filter	03/11/2013
8611742	2	Arsenic	0.0024	µg/m3	SW846 6020A	Filter	03/11/2013
8611742	2	Lead	0.0050	µg/m3	SW846 6020A	Filter	03/11/2013
8611741	3	Arsenic	0.00032	µg/m3	SW846 6020A	Filter	03/12/2013
8611741	3	Lead	0.0014	µg/m3	SW846 6020A	Filter	03/12/2013
8611740	4	Arsenic	0.00066	µg/m3	SW846 6020A	Filter	03/12/2013
8611740	4	Lead	0.0024	µg/m3	SW846 6020A	Filter	03/12/2013
8611738	5	Arsenic	0.00099	µg/m3	SW846 6020A	Filter	03/13/2013
8611738	5	Lead	0.0013	µg/m3	SW846 6020A	Filter	03/13/2013
8611737	6	Arsenic	0.0013	µg/m3	SW846 6020A	Filter	03/13/2013
8611737	6	Lead	0.0015	µg/m3	SW846 6020A	Filter	03/13/2013
8611736	7	Arsenic	0.00067	µg/m3	SW846 6020A	Filter	03/14/2013
8611736	7	Lead	0.0020	µg/m3	SW846 6020A	Filter	03/14/2013
8611735	8	Arsenic	0.0010	µg/m3	SW846 6020A	Filter	03/14/2013
8611735	8	Lead	0.0029	µg/m3	SW846 6020A	Filter	03/14/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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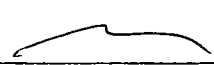
03/29/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 03/18/2013
Spectra Project: 2013030370

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611734	9	Arsenic	0.00037	µg/m3	SW846 6020A	Filter	03/15/2013
8611734	9	Lead	0.0012	µg/m3	SW846 6020A	Filter	03/15/2013
8611733	10	Arsenic	0.00076	µg/m3	SW846 6020A	Filter	03/15/2013
8611733	10	Lead	0.0021	µg/m3	SW846 6020A	Filter	03/15/2013
8611728	11	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	03/18/2013
8611728	11	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	03/18/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

POINT RUSTON



20130303 70

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS																		
SAMPLERS: (Signature)																								
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																			
3/11/13	OCF VI		X		8611743	1	X																	
3/11/13	OCF NW		X		8611742	1	X																	
3/12/13	OCF VI		X		8611741	1	X																	
3/12/13	OCF NW		X		8611740	1	X																	
3/13/13	OCF VI		X		8611738	1	X																	
3/13/13	OCF NW		X		8611737	1	X																	
3/14/13	OCF VI		X		8611736	1	X																	
3/14/13	OCF NW		X		8611735	1	X																	
3/15/13	OCF VI		X		8611734	1	X																	
3/15/13	OCF NW		X		8611733	1	X																	
3/18/13	Control				8611728	1	X																	
H1 VOLUME SAMPLER LOG																								
Relinquished (Signature)					Date/Time					Received by: (Signature)					Lab					Shipped via: FedEx, UPS or Other				
[Signature]					3/18/13 11:44					[Signature]					Spectra					Drop				
Relinquished (Signature)					Date/Time					Received by: (Signature)					Remarks									
[Signature]										[Signature]														
Relinquished (Signature)					Date/Time					Received for Laboratory by: (Signature)					Date/Time					Enclosed:				
[Signature]										[Signature]										<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter				
Split Samples:																								
[] Accepted [] Declined																								
Signature																								

Point Ruston
Particulate Network Summary - TSP
March 11, 2013 thru March 15, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514938	South Gate	03/11/13	4.5730	4.5974	0.0244	1387	1795	1676	14	15	
514939	South Gate	03/12/13	4.5673	4.5864	0.0191	1437	1861	1764	10	11	
514940	South Gate	03/13/13	4.5966	4.6185	0.0219	1429	1850	1749	12	13	
514941	South Gate	03/14/13	4.5650	4.5929	0.0279	1437	1922	1819	15	15	
514942	South Gate	03/15/13	4.5600	4.5830	0.0230	900	1210	1147	19	20	Time short

Point Ruston
Particulate Network Summary - As and Pb
March 11, 2013 thru March 15, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514938	South Gate	03/11/13	1676	3.09	0.001	6.59	0.003	
514939	South Gate	03/12/13	1764	<2.00	<0.001	3.81	0.002	
514940	South Gate	03/13/13	1749	<2.00	<0.001	2.83	0.001	
514941	South Gate	03/14/13	1819	<2.00	<0.001	4.10	0.002	
514942	South Gate	03/15/13	1147	<2.00	<0.001	<2.00	<0.001	



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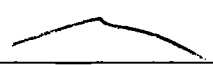
04/04/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 03/25/2013
Spectra Project: 2013030569

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611732	1	Arsenic	0.00027	µg/m3	SW846 6020A	Filter	03/18/2013
8611732	1	Lead	0.00053	µg/m3	SW846 6020A	Filter	03/18/2013
8611731	2	Arsenic	0.0010	µg/m3	SW846 6020A	Filter	03/18/2013
8611731	2	Lead	0.0018	µg/m3	SW846 6020A	Filter	03/18/2013
8611730	3	Arsenic	0.0015	µg/m3	SW846 6020A	Filter	03/18/2013
8611730	3	Lead	0.0046	µg/m3	SW846 6020A	Filter	03/18/2013
8611729	4	Arsenic	0.0020	µg/m3	SW846 6020A	Filter	03/18/2013
8611729	4	Lead	0.0051	µg/m3	SW846 6020A	Filter	03/18/2013
8611727	5	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	03/20/2013
8611727	5	Lead	0.00094	µg/m3	SW846 6020A	Filter	03/20/2013
8611726	6	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	03/20/2013
8611726	6	Lead	0.00032	µg/m3	SW846 6020A	Filter	03/20/2013
8611725	7	Arsenic	0.00064	µg/m3	SW846 6020A	Filter	03/21/2013
8611725	7	Lead	0.0057	µg/m3	SW846 6020A	Filter	03/21/2013
8611724	8	Arsenic	0.00081	µg/m3	SW846 6020A	Filter	03/21/2013
8611724	8	Lead	0.0010	µg/m3	SW846 6020A	Filter	03/21/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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04/04/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 03/25/2013
Spectra Project: 2013030569

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611723	9	Arsenic	0.0024	µg/m3	SW846 6020A	Filter	03/22/2013
8611723	9	Lead	0.0022	µg/m3	SW846 6020A	Filter	03/22/2013
8611722	10	Arsenic	0.0030	µg/m3	SW846 6020A	Filter	03/22/2013
8611722	10	Lead	0.0032	µg/m3	SW846 6020A	Filter	03/22/2013
8611721	11	Arsenic	0.0031	µg/m3	SW846 6020A	Filter	03/23/2013
8611721	11	Lead	0.0039	µg/m3	SW846 6020A	Filter	03/23/2013
8611720	12	Arsenic	0.0035	µg/m3	SW846 6020A	Filter	03/23/2013
8611720	12	Lead	0.0049	µg/m3	SW846 6020A	Filter	03/23/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

20190305609

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS																													
AIR MONITORING		(HI-VOL) Pt Ruston LLC																																	
SAMPLERS: (Signature)																																			
DATE						STA #						TIME						COMP						GRAB						SAMPLE NUMBER					
3/25/13						001 VI												X						8611732											
3/25/13						001 NW												X						8611731											
3/25/13						001 VI												X						8611730											
3/25/13						001 NW												X						8611729											
3/25/13						001 VI												X						8611727											
3/25/13						001 NW												X						8611726											
3/25/13						001 VI												X						8611725											
3/25/13						001 NW												X						8611724											
3/25/13						001 VI												X						8611723											
3/25/13						001 NW												X						8611722											
3/25/13						001 VI												X						8611721											
3/25/13						001 NW												X						8611720											
3/25/13																								HI VOLUME SAMPLER LOG											
Relinquished (Signature)						Date/Time						Received by: (Signature)						Lab						Shipped via: FedEx, UPS or Other											
[Signature]						3/25/13 19:55						[Signature]						Spectra						FedEx											
Relinquished (Signature)						Date/Time						Received by: (Signature)						Remarks																	
Relinquished (Signature)						Date/Time						Received for Laboratory by: (Signature)						Date/Time						Enclosed:											
																								<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter											
Split Samples:												[] Accepted [] Declined												Signature											

Point Ruston
Particulate Network Summary - TSP
March 18, 2013 thru March 23, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514943	South Gate	03/18/13	4.5643	4.5895	0.0252	800	1081	1008	23	25	Time short
514944	South Gate	03/19/13	4.5821	4.6116	0.0295	1245	1638	1538	18	19	Time short
514945	South Gate	03/20/13	4.5877	4.6075	0.0198	1434	1877	1782	11	11	
514946	South Gate	03/21/13	4.5809	4.5983	0.0174	1456	1946	1809	9	10	
514947	South Gate	03/22/13	4.5881	4.6189	0.0308	1422	1891	1748	16	18	
514948	South Gate	03/23/13	4.4691	4.5140	0.0449	1433	1956	1805	23	25	

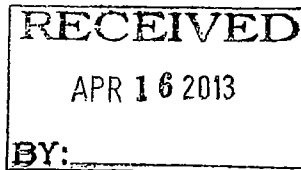
Point Ruston
Particulate Network Summary - As and Pb
March 18, 2013 thru March 23, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514943	South Gate	03/18/13	1008	<2.00	<0.001	<2.00	<0.001	
514944	South Gate	03/19/13	1538	<2.00	<0.001	6.19	0.004	
514945	South Gate	03/20/13	1782	<2.00	<0.001	<2.00	<0.001	
514946	South Gate	03/21/13	1809	<2.00	<0.001	2.31	0.001	
514947	South Gate	03/22/13	1748	6.61	0.003	7.90	0.004	
514948	South Gate	03/23/13	1805	7.93	0.004	14.3	0.007	



SPECTRA Laboratories

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04/11/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/01/2013
Spectra Project: 2013040019

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611719	1	Arsenic	0.0021	µg/m3	SW846 6020A	Filter	03/25/2013
8611719	1	Lead	0.0047	µg/m3	SW846 6020A	Filter	03/25/2013
8611718	2	Arsenic	0.0019	µg/m3	SW846 6020A	Filter	03/25/2013
8611718	2	Lead	0.0044	µg/m3	SW846 6020A	Filter	03/25/2013
8611717	3	Arsenic	0.0018	µg/m3	SW846 6020A	Filter	03/25/2013
8611717	3	Lead	0.0051	µg/m3	SW846 6020A	Filter	03/25/2013
8611716	4	Arsenic	0.0062	µg/m3	SW846 6020A	Filter	03/26/2013
8611716	4	Lead	0.0067	µg/m3	SW846 6020A	Filter	03/26/2013
8611715	5	Arsenic	0.0032	µg/m3	SW846 6020A	Filter	03/26/2013
8611715	5	Lead	0.0054	µg/m3	SW846 6020A	Filter	03/26/2013
8611714	6	Arsenic	0.0048	µg/m3	SW846 6020A	Filter	03/26/2013
8611714	6	Lead	0.012	µg/m3	SW846 6020A	Filter	03/26/2013
8611713	7	Arsenic	0.0038	µg/m3	SW846 6020A	Filter	03/27/2013
8611713	7	Lead	0.011	µg/m3	SW846 6020A	Filter	03/27/2013
8611712	8	Arsenic	0.0045	µg/m3	SW846 6020A	Filter	03/27/2013
8611712	8	Lead	0.017	µg/m3	SW846 6020A	Filter	03/27/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



SPECTRA Laboratories

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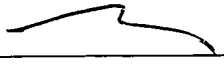
04/11/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/01/2013
Spectra Project: 2013040019

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611711	9	Arsenic	0.0035	µg/m3	SW846 6020A	Filter	03/27/2013
8611711	9	Lead	0.012	µg/m3	SW846 6020A	Filter	03/27/2013
8611710	10	Arsenic	0.0041	µg/m3	SW846 6020A	Filter	03/28/2013
8611710	10	Lead	0.0076	µg/m3	SW846 6020A	Filter	03/28/2013
8611709	11	Arsenic	0.0030	µg/m3	SW846 6020A	Filter	03/28/2013
8611709	11	Lead	0.0055	µg/m3	SW846 6020A	Filter	03/28/2013
8611708	12	Arsenic	0.0030	µg/m3	SW846 6020A	Filter	03/28/2013
8611708	12	Lead	0.0077	µg/m3	SW846 6020A	Filter	03/28/2013
8611707	13	Arsenic	0.0035	µg/m3	SW846 6020A	Filter	03/29/2013
8611707	13	Lead	0.0058	µg/m3	SW846 6020A	Filter	03/29/2013
8611706	14	Arsenic	0.0017	µg/m3	SW846 6020A	Filter	03/29/2013
8611706	14	Lead	0.0034	µg/m3	SW846 6020A	Filter	03/29/2013
8611705	15	Arsenic	0.0030	µg/m3	SW846 6020A	Filter	03/29/2013
8611705	15	Lead	0.0074	µg/m3	SW846 6020A	Filter	03/29/2013
8611704	16	Arsenic	0.0026	µg/m3	SW846 6020A	Filter	03/30/2013
8611704	16	Lead	0.0040	µg/m3	SW846 6020A	Filter	03/30/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj



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04/11/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 04/01/2013
Spectra Project: 2013040019

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8611703	17	Arsenic	0.0026	µg/m3	SW846 6020A	Filter	03/30/2013
8611703	17	Lead	0.0046	µg/m3	SW846 6020A	Filter	03/30/2013
8611702	18	Arsenic	0.0079	µg/m3	SW846 6020A	Filter	03/30/2013
8611702	18	Lead	0.011	µg/m3	SW846 6020A	Filter	03/30/2013
8691895	19	Arsenic	< 0.00015	µg/m3	SW846 6020A	Filter	04/01/2013
8691895	19	Lead	< 0.00015	µg/m3	SW846 6020A	Filter	04/01/2013

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2013040019

PROJ. NO		PROJECT NAME		NO. OF CONTAINERS		REMARKS														
SAMPLERS: (Signature)																				
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER															
3/25/13	OCF-VI		X		8611719	1	X													
3/25/13	OCF-NW		X		8611718	1	X													
3/25/13	Lot 1A		X		8611717	1	X													
3/25/13	OCF-VI		X		8611716	1	X													
3/25/13	OCF-NW		X		8611715	1	X													
3/25/13	Lot 1A		X		8611714	1	X													
3/27/13	OCF-VI		X		8611713	1	X													
3/27/13	OCF-NW		X		8611712	1	X													
3/27/13	Lot 1A		X		8611711	1	X													
3/28/13	OCF-VI		X		8611710	1	X													
3/28/13	OCF-NW		X		8611709	1	X													
3/28/13	Lot 1A		X		8611708	1	X													
3/28/13	OCF-VI		X		8611707	1	X													
3/28/13	OCF-NW		X		8611706	1	X													
3/28/13	Lot 1A		X		8611705	1	X													
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other								
<i>[Signature]</i>			4/1/13 14:55			<i>[Signature]</i>			Spectra			Droplet								
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks											
<i>[Signature]</i>						<i>[Signature]</i>														
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed:								
<i>[Signature]</i>						<i>[Signature]</i>						<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter								
Split Samples:																				
[] Accepted [] Declined																				
Signature																				

2013040019

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

COC Form - 7/12

Point Ruston
Particulate Network Summary - TSP
March 25, 2013 thru April 1, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	µg/m ³	µg/m ³	
514949	South Gate	03/25/13	4.7374	4.7848	0.0474	1427	1878	1767	25	27	
514950	South Gate	03/26/13	4.7314	4.7802	0.0488	1440	1864	1772	26	28	
514951	South Gate	03/27/13	4.7502	4.7959	0.0457	1429	1871	1775	24	26	
514952	South Gate	03/28/13	4.7543	4.7926	0.0383	1433	1856	1763	21	22	
514953	South Gate	03/29/13	4.7136	4.7459	0.0323	1417	1865	1771	17	18	
514954	South Gate	03/30/13	4.7429	4.7798	0.0369	1433	1886	1792	20	21	
514957	South Gate	04/01/13	4.7098	4.7087	-0.0011						Control

Point Ruston
Particulate Network Summary - As and Pb
March 25, 2013 thru April 1, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	µg/Filter	µg/m ³ As	µg/Filter	µg/m ³ Pb	
514949	South Gate	03/25/13	1767	<2.00	<0.001	7.98	0.004	
514950	South Gate	03/26/13	1772	5.29	0.002	10.4	0.005	
514951	South Gate	03/27/13	1775	3.91	<0.001	13.8	<0.001	
514952	South Gate	03/28/13	1763	4.79	<0.001	9.71	0.005	
514953	South Gate	03/29/13	1771	3.09	0.001	10.4	0.005	
514954	South Gate	03/30/13	1792	4.00	0.002	9.40	0.005	
514957	South Gate	04/01/13		<2.00	N/A	<2.00	N/A	

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

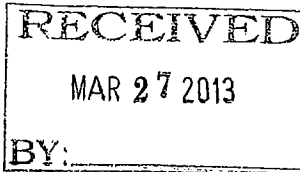
PORTABLE
AIR
MONITORING
DATA
(LOW VOLUME)

Reference	Date	Description
Spectra	03/21/13	Spectra Laboratories – Portable air monitoring analysis for 03/04 thru 03/5 (Project #2013030208)



SPECTRA Laboratories

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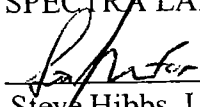
03/21/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Cassette)
Date Received: 03/11/2013
Spectra Project: 2013030208

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
030413-500	1	Arsenic	< 0.004	µg/m3	SW846 6020A	Air Cassette	03/04/2013
030413-500	1	Lead	0.273	µg/m3	SW846 6020A	Air Cassette	03/04/2013
030513-123	2	Arsenic	< 0.004	µg/m3	SW846 6020A	Air Cassette	03/05/2013
030513-123	2	Lead	0.204	µg/m3	SW846 6020A	Air Cassette	03/05/2013

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj

CHAIN OF CUSTODY RECORD

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

PROJ. NO. <u>AREAC TIC</u>		PROJECT NAME <u>Pt Ruston LLC</u>		NO. OF CONTAINERS		REMARKS																			
SAMPLERS: (Signature) <u>[Signature]</u>																									
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER																				
3/4/13	AREAC TIC		X		030413-500	1	X																		
3/5/13	AREAC TIC		X		030513-123	1	X																		
3/11/13					SAMPLE LOG INFO sheet (2)																				

Relinquished (Signature) <u>[Signature]</u>	Date/Time <u>3/11/13 11:48</u>	Received by: (Signature) <u>[Signature]</u>	Lab <u>Spectra</u>	Shipped via: FedEx, UPS or Other <u>Drop</u>
Relinquished (Signature)	Date/Time	Received by: (Signature)	Remarks	Air Bill # <u>off</u>
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter
			Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined <u> </u> Signature <u> </u>	

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

PERSONAL
AIR
MONITORING
DATA
(EXPOSURE EVALUATIONS)

Reference	Date	Description
Spectra	04/08/13	Spectra Laboratories – Personal air monitoring analysis for 03/22/13 (Project #2013030570)



SPECTRA Laboratories

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APR 11 2013

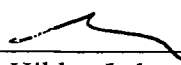
04/08/2013

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: TIC-Lot 11B
Sample Matrix: Air Cassette
Date Sampled: 03/22/2013
Date Received: 03/25/2013
Spectra Project: 2013030570

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
032213-500	1	Arsenic	0.765	µg/m3	SW846 6020A
032213-500	1	Lead	0.286	µg/m3	SW846 6020A
032213-250	2	Arsenic	0.079	µg/m3	SW846 6020A
032213-250	2	Lead	< 0.004	µg/m3	SW846 6020A
032213-123	3	Arsenic	< 0.004	µg/m3	SW846 6020A
032213-123	3	Lead	< 0.004	µg/m3	SW846 6020A

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a7/scj

2013030570

POINT RUSTON

PROJ. NO TIC-2011B		PROJECT NAME PT Ruston LLC		NO. OF CONTAINERS		REMARKS													
SAMPLERS: (Signature)																			
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER														
3/22/13			X		032213-500	1	X												
3/22/13			X		032213-250	1	X												
3/22/13			X		032213-123	1	X												
3/22/13					SAMPLE LOG INFO SHEET														
Relinquished (Signature)			Date/Time			Received by: (Signature)			Lab			Shipped via: FedEx, UPS or Other							
Relinquished (Signature)			Date/Time			Received by: (Signature)			Remarks			Air Bill #							
Relinquished (Signature)			Date/Time			Received for Laboratory by: (Signature)			Date/Time			Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter							
COC Form - 7/12																			

Monthly Report 202, March 2013
Operable Unit 02
Asarco Tacoma Smelter Site

METHANE
MONITORING
DATA

Reference	Date	Description
Bldg 2B	03/13/13	Gas Monitoring Data Form / Calibration Worksheet
Bldg 2B	Mar. 2013	Methane Monitoring – DATA LOG

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

Period	Well Location	Date Time	Temperature °C	Hydrogen Sulfide			Oxygen Reading	Combustible LEL (Methane) Reading
				Reading	TWA	STEL		
1	Calibrate	3/13/2013 11:23	22	0	0	0	20.9	0
2	Calibrate	3/13/2013 11:26	22	0	0	0	20.9	0
3	2BW001	3/13/2013 11:42	19	0	0	0	20.9	0
3	2BW001	3/13/2013 11:43	19	0	0	0	20.9	0
3	2BW001	3/13/2013 11:44	19	0	0	0	20.7	0
3	2BW001	3/13/2013 11:45	19	0	0	0	20.7	0
3	2BW001	3/13/2013 11:46	19	0	0	0	20.9	0
3	2BW001	3/13/2013 11:47	19	0	0	0	20.7	0
3	2BW001	3/13/2013 11:48	19	0	0	0	20.7	0
3	2BW001	3/13/2013 11:49	18	0	0	0	20.9	0
3	2BW001	3/13/2013 11:50	18	0	0	0	20.9	0
3	2BW001	3/13/2013 11:51	18	0	0	0	20.7	0
3	2BW001	3/13/2013 11:52	18	0	0	0	20.7	0
4	2BW002	3/13/2013 11:55	17	0	0	0	20.9	0
4	2BW002	3/13/2013 11:56	17	0	0	0	20.6	0
4	2BW002	3/13/2013 11:57	17	0	0	0	20.6	0
4	2BW002	3/13/2013 11:58	17	0	0	0	20.6	0
4	2BW002	3/13/2013 11:59	17	0	0	0	20.6	0
4	2BW002	3/13/2013 12:00	17	0	0	0	20.6	0
4	2BW002	3/13/2013 12:01	16	0	0	0	20.9	0
4	2BW002	3/13/2013 12:02	16	0	0	0	20.9	0
4	2BW002	3/13/2013 12:03	16	0	0	0	20.9	0
4	2BW002	3/13/2013 12:04	16	0	0	0	20.9	0
4	2BW002	3/13/2013 12:05	16	0	0	0	20.7	0
5	2BW003	3/13/2013 12:09	15	0	0	0	21.2	0
5	2BW003	3/13/2013 12:10	15	0	0	0	20.9	0
5	2BW003	3/13/2013 12:11	15	0	0	0	20.7	0
5	2BW003	3/13/2013 12:12	15	0	0	0	20.6	0
5	2BW003	3/13/2013 12:13	15	0	0	0	20.7	0
5	2BW003	3/13/2013 12:14	15	0	0	0	20.9	0
5	2BW003	3/13/2013 12:15	15	0	0	0	20.9	0
5	2BW003	3/13/2013 12:16	15	0	0	0	20.9	0
5	2BW003	3/13/2013 12:17	15	0	0	0	20.7	0
6	2BW004	3/13/2013 12:20	14	0	0	0	20.9	0
6	2BW004	3/13/2013 12:21	15	0	0	0	20.9	0
6	2BW004	3/13/2013 12:22	15	0	0	0	20.9	0
6	2BW004	3/13/2013 12:23	15	0	0	0	20.9	0
6	2BW004	3/13/2013 12:24	15	0	0	0	20.9	0
6	2BW004	3/13/2013 12:25	15	0	0	0	20.7	0
6	2BW004	3/13/2013 12:26	15	0	0	0	20.6	0
6	2BW004	3/13/2013 12:27	15	0	0	0	20.6	0
6	2BW004	3/13/2013 12:28	15	0	0	0	20.5	0
6	2BW004	3/13/2013 12:29	15	0	0	0	20.7	0
7	Sync	3/18/2013 11:59	21	0	0	0	20.9	0

Month of March 2013

Gas Monitoring Data Form / Calibration Worksheet

Project Name: Building 2B

Date of Sampling: 3/13/13

Name of Sample Collector: Pat Wilber

Gas Meter Information

Manufacturer: Industrial Scientific Model: M40 / SP40 Serial Number: 0806049-984
 Factory/Service Center Calibration Date of Gas Monitor: November 1, 2011 Pump Rate of Gas Meter: .5 SCFH (0.25 LPM)

Calibration Canister Information

Canister I.D. Lot: MAL-463-2 Cyl: Calibration Gas: O₂, LEL, CO, H₂S, N Canister Exp.: 3/10

PRE-SAMPLE CALIBRATION:

Date: 3/13/13

Time: 12:20

Sensor SN	Sensor Type	Gas Type	Span Gas	Span Reserve	Passed/Failed	Alarm Low	Alarm High	Alarm TWA	Alarm STEL
806862459	Combustible-LEL	Methane	50	74	P				
805823354	Hydrogen Sulfide	Hydrogen Sulfide	25	43	P				
180339703081	Oxygen	Oxygen	19	3.7/30	P				

SAMPLING RECORD:

Temperature: _____ Barometric Pressure: _____ Ground Conditions: wet

Precipitation: _____ Tidal Conditions: _____

Wind Speed: _____ Direction: _____ Other Relevant Conditions: _____

Location Well ID#	Sample Tube Purge (Y/N)	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H ₂ S (ppm)	Notes
2BW001		12:43	12:53	0	0	0	20.7	0	
2BW002		12:55	13:06	0	0	0	20.7	0	
2BW003		13:08	13:18	0	0	0	20.6	0	
2BW004		13:20	13:30	0	0	0	20.7	0	

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE: _____

DATE: 3/13/13

[illegible]

In-House (XRF)

Stack Hill Lot 15

5-point composite sample from foundation excavation

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
3	3/1/2013 11:34	BULK	90	ppm	Final	LOT15-FYI-01-A1	LOT15	A	1		29.46	21.52

Lot 16

Lot 15

Lot 14

APPROXIMATE FOUNDATION
EXCAVATION LOCATION

● APPROXIMATE
SAMPLE LOCATION

SH15W7



NO SCALE

PROPERTY SITE CODE: SH15
SITE ADDRESS: Stack Hill Lot-15
PROPERTY OWNER: Pl. Ruston
PROPERTY RESIDENT:

In-House (XRF)

Sand Disposal

Grab sample from 1 cu.yrd. sand left over from contractor mixing gypcrete subfloor leveler.

[illegible]

In-House (XRF)

RFI-22 Haul Road (Main Street)

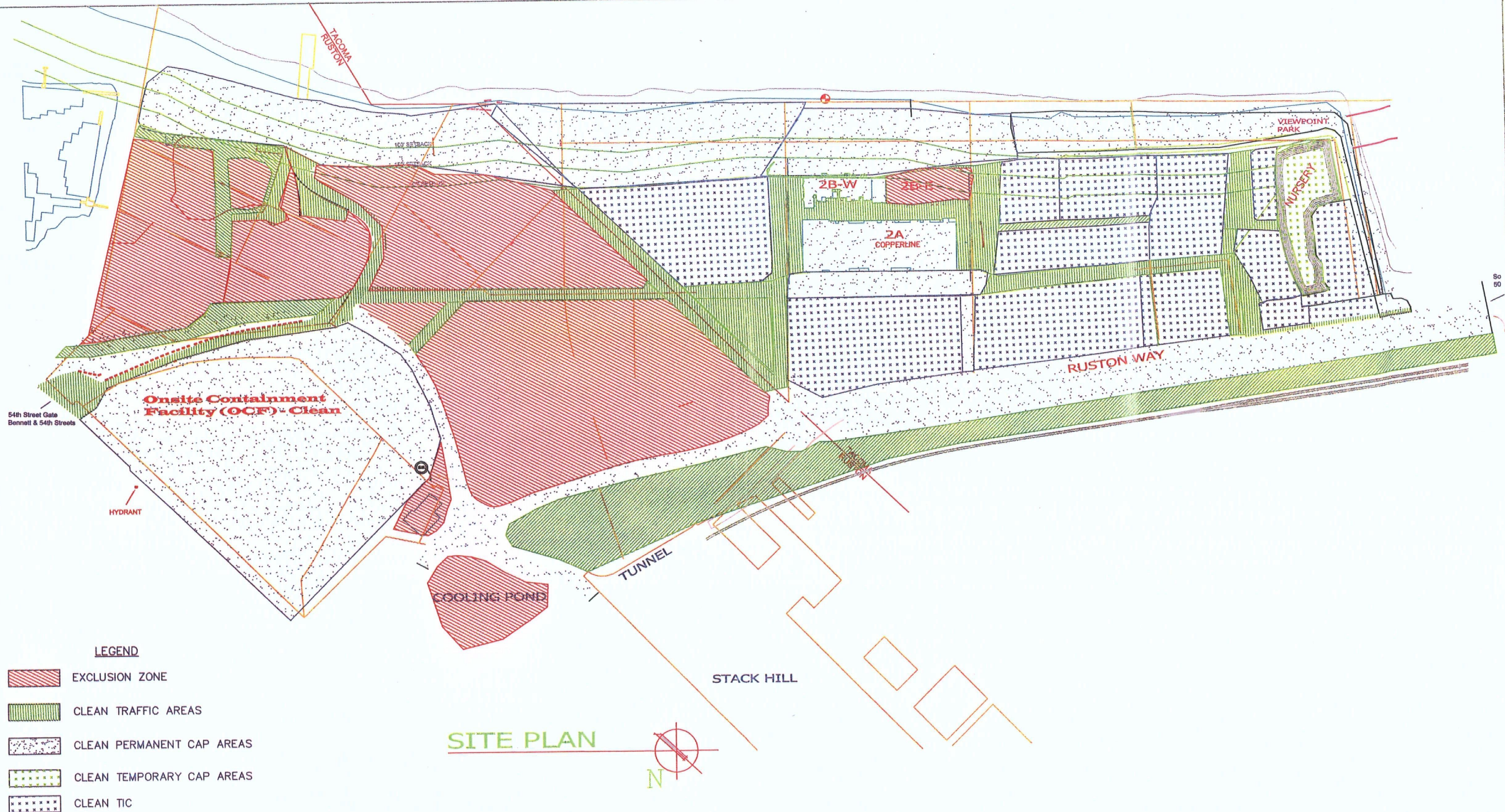
Grab sample obtained from location noted below (black dot).

Sample Date (or) Reading No.	Sample/Reading Time	Type	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
5	3/21/2013 10:04	BULK	90	ppm	Final	RFI 22-FYI-01-A1	RFI 22	A	1		27.3	<10.5



MISCELLANEOUS INFORMATION

[illegible]



3/12/13

REMEDIATION SITE PLAN ZONE LOCATIONS

POINT RUSTON, LLC
5219 N SHIRLEY ST, STE 100
RUSTON WA 98407

7931 REGISTERED
ARCHITECT
C.S. DALTON GITTENS
STATE OF WASHINGTON

DATE: 03-02-2012
SCALE: 1"=240'

REVISIONS:

Δ					

SHEET NUMBER:

R 01